

Application No. 08/900,964
Amendment dated February 2, 2004
Reply to Office Action dated October 31, 2003

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-25 (canceled)

Claim 26 (currently amended): A system for generating a high-luminance window on a computer display device, comprising:

a host computer system for running an application program;

a processor device for automatically generating a window control signal in response to said application program;

a window generator device, for receiving said window control signal, and for generating a window information signal; and

Y1 a display control device ~~included in said computer display device~~ for receiving a video signal and said window information signal, for processing said video signal in response to said window information signal and for providing a processed video signal to a computer display screen to generate said high-luminance viewing window thereon.

Claim 27 (previously presented): The system of Claim 26 wherein said computer display device includes a cathode ray tube (CRT) device.

Claim 28 (previously presented): The system of Claim 27 wherein said computer display device includes a high-voltage power supply (HVPS) for providing a high-voltage signal to an anode of said CRT device.

Claim 29 (previously presented): The system of Claim 28 wherein said computer display device includes a limiter device coupled to said window generator device and to said HVPS, said limiter device for limiting beam current supplied to said CRT device by said HVPS.

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Claim 30 (previously presented): The system of Claim 29 wherein said limiter device is an automatic beam limiter (ABL) for sampling the current of said high-voltage signal to automatically determine when to limit said signal.

Claim 31 (previously presented): The system of Claim 30 wherein said display control device includes a video amplifier and said ABL provides an analog window signal to said video amplifier.

Claim 32 (previously presented): The system of Claim 31 wherein said ABL provides said analog window signal to control a gain control of said video amplifier.

Claim 33 (previously presented): The system of Claim 29 wherein said display control device is a video amplifier and said window control signal includes position and size information for said high-luminance viewing window.

Claim 34 (previously presented): The system of Claim 26 wherein information within said high-luminance viewing window is different from information outside said window.

Claim 35 (previously presented): The system of Claim 26 wherein said host computer provides a horizontal synchronization (H Sync) signal and vertical synchronization (V Sync) signal.

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Claim 36 (currently amended): A method for generating a high-luminance viewing window on a computer display device, comprising:

running an application program on a host computer;

generating a window control signal in response to said application program;

generating a window information signal in response to said window control signal;

~~providing using a display control device for receiving a video signal and said window information signal to a display control device [L]] for processing said video signal in response to said window information signal[L]] ; and~~

~~for providing a processed video signal to a computer display screen to generate said high-luminance viewing window thereon ; and~~

~~providing said processed window information signal to said computer display device for generating said high-luminance viewing window thereon.~~

Claim 37 (currently amended): The method of Claim 36 comprising:

~~providing a cathode ray tube (CRT) device and a video amplifier within said computer display device; and~~

~~generating a said video data signal; for receipt by said video amplifier, in response to said application program, said video data signal included within said window control signal.~~

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Claim 38 (currently amended): The method of Claim 37 comprising:

~~providing a high voltage power supply (HVPS) and an automatic beam limiter (ABL) device within said computer display device;~~

generating a high-voltage signal ~~using said HVPS~~ and providing said high-voltage signal to the an anode of said a cathode ray tube (CRT) device; and

sampling the current of said high-voltage signal using said an automatic beam limiter (ABL) device, ~~wherein said ABL determines to determine~~ when to limit beam current supplied to said CRT.

Claim 39 (currently amended): The method of Claim 38 comprising ~~using said ABL device for~~ providing an analog window signal from said ABL device to said a video amplifier.

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Claim 40 (previously presented): The method of Claim 39 wherein providing said analog window signal to said video amplifier determines the gain of said video amplifier.

Claim 41 (previously presented): The method of claim 36 wherein generating said high-luminance viewing window includes displaying information within said viewing window, derived from said video data signal, distinct from information displayed outside said viewing window.

Claim 42 (previously presented): The method of Claim 36 further comprising generating a horizontal synchronization signal (H Sync) and a vertical synchronization signal (V Sync).

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Claim 43 (currently amended): A computer-readable medium containing instructions for performing steps comprising:

~~running an application program on a host computer;~~

generating a window control signal in response to ~~said an~~ application program, said window control signal including a video data signal;

generating a window information signal in response to said window control signal;

41 ~~using a display control device for receiving a video signal and said window information signal, for processing said video signal in response to said window information signal; and~~

providing a processed video signal to a computer display screen to generate said high-luminance viewing window thereon.

Claim 44 (previously presented): The computer-readable medium of Claim 43 wherein producing a high-luminance viewing window includes providing information, derived from said video data signal, for display within said window wherein said windowed information is distinct from information displayed outside said viewing area.

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Claim 45 (currently amended): A system for generating high-luminance viewing windows on a display device, comprising:

means for running an application program, said application program providing a video data signal;

means for generating a window control signal in response to said application program;

means for generating a window information signal in response to said window control signal;

1X1 means for receiving a video signal and said window information signal and processing said window information signal using a display control device for receiving a video signal in response to and said window information signal; and

means for applying a processed video signal to a computer display screen to generate said high-luminance windows.